

CLASSIFICATION SECRET/SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

COUNTRY USSR DATE DISTR. 8 Jan 1953

SUBJECT Ship-Model Testing Basins in the USSR NO. OF PAGES 1

PLACE ACQUIRED 50X1 NO. OF ENCLS. (LISTED BELOW)

DATE ACQUIRED 50X1 SUPPLEMENT TO REPORT NO.

DATE OF INFORMATION 50X1

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- (a) The testing pool attached to the Odessa Institute of Merchant Marine Engineers was disassembled and destroyed during the German and Rumanian occupations. Rebuilding was begun in 1944 and completed in 1945. The pool is under the supervision of the Institute's Department of Ship Construction Theory headed by Prof Pavlenko, Doctor of Technical Sciences. Technical problems of ship seaworthiness, particularly those of roll and water resistance to movement are studied here, and tests are carried out for all types of cargo ships as well as naval vessels. Considerable work was done in the study of construction principles affecting ship speed.
- (b) There is a testing pool attached to the Leningrad Ship Construction Institute. Assistant Prof (docent) Gorvanskii, Candidate of Technical Sciences, is in charge of ship-model testing. Investigations are carried on here in problems of unsinkability, safety freeboard, seaworthiness and cavitation of screw propellers. Special attention was given to the solution of construction problems affecting ship speed.
- (c) The testing basin attached to the Gorki Institute of Merchant Marine Engineers is under the direction of Prof Kabachinski. Here problems are investigated concerning draft vessels (the tugboat fleet), propelling agents (screws and wheels) on river vessels, and the Volga River's resistance to ship movement during low water. Important tests were carried out on problems of vessel movement on the surface of the water in the manner of hydroplanes or water sleds. Investigations were also made at this basin on problems of backing of river vessels. All types of river vessels were tested in this basin: tugboats passenger ships, cargo ships, and non-self-propelled ships.

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